

DMT 2B - Electronic earthing system (Resistive and capacitive)

Description:

The DMT 2B Electronic Earthing System is composed of one IIB aluminium alloy enclosure (EJB 8A type) inside which there is an electronic resistance/capacity device and externally a support hook, an earthing clamp, complete with 8 m of cable, to measure and check the continuity towards the earth, aiming to eliminate the electrostatic charges.

The DMT 2B has (on the enclosure cover) a green and a red pilot light as agreement or refuse to proceed.

Its modularity by jumpers or trimmers placed on the electronic card, allows the selection of different capacity or resistance sensibility levels.

Application:

The DMT 2B electronic earthing system is used during filling and emptying operations of tankers, drums, railway trucks for ambient with presence of IIB gas (as. Ethylene).

Materials:

External enclosure: copper free aluminium alloy.

Screws: stainless steel.

Standard cable: 8 m 3 x 3 mm² hydrocarbon resistant.

Clamp: aluminium alloy with phosphor bronze internal contact components and handle in thermoplastic insulator material.

Certification characteristics:

Type of Protection: II 2GD Ex d [ia Ga] IIB T6 Gb
Ex tb [iaD] IIIB T85 °C Db.

Class of Temperature: T6 / T85 °C.

Protection Degree: IP66 / IP67*.

Certificate: INERIS 10ATEX0035X.

Ambient Temperature: -20 °C / +40 °C.

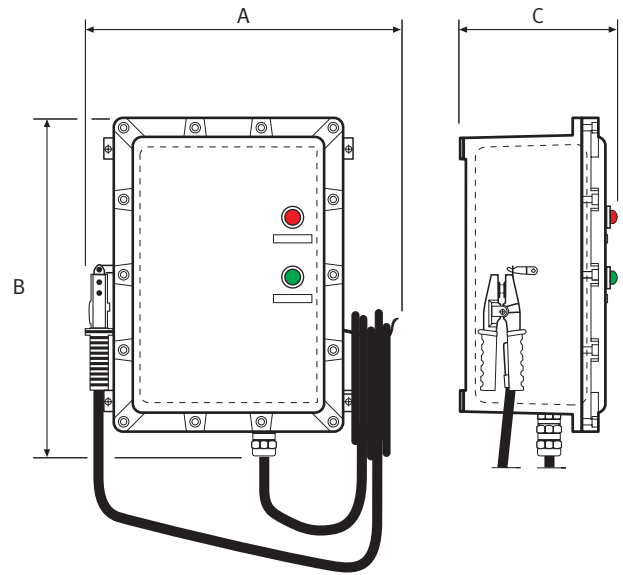
Zones: 1 – 21 – 2 – 22.

Threads:

NPT (ANSI B1.20.1).

Metric x 1.5 (ISO 261).

Drawing DMT 2B



Legend:

A - Maximum external dimension.

B - Maximum external dimension.

C - Maximum external dimension.

Inhibiting treatments:

Standard epoxy painting RAL 7005.

On request:

Stainless steel version AISI 304 or AISI316L.

*IP67 protection with o-ring.

Stainless steel hinges.

Breathing / draining valve.

Other epoxy painting colours different from the standards.

Special inhibiting treatment.

Other type of threads [ISO7/1 (UNI6125), PG (DIN 40430)].

Cable glands for armoured or non armoured cable.

Other cable length.

Supply Voltage 110 V – 50/60 Hz.

DMT 2B - Data Table

Dimensions [mm] and approx. Weight [Kg]

Type	Dimensions			Short side	Fixing Long side	Screws	Weight
	A	B	C				
DMT 2B	470	395	215	250	282	4 x M10	20

Notes: 1) Standard rated voltage: 230 V – 50/60 Hz.

2) For complete installation and configuration options ask for specific instruction manual.

3) For enclosure dimensions see EJB data sheet (enclosure type EJB 8A).

4) Standard cable entries available: n. 2 entries $\varnothing \frac{3}{4}$ " NPT on bottom side.